

003



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D2665-2

Job Sheet 199306



Part No: D2665-2

Job Qty: 4 pcs

Part Name: Saddle, RH, Fwd, Aft, Out



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/16/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 9/6/19

Description:

Type: Stock

Note: DWG REV D IPP: C 00.11.01 Removed P/O for Powder Coat - in house process EC IPP Rev:D As per Rev D  
07-03-19 JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op<br>No | Operation                   | Qty      | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier         |              | Sign-off    |
|----------|-----------------------------|----------|------------|-------------|--------------|------------|-----------------------------|--------------|-------------|
|          |                             |          |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier       | Lead<br>Time |             |
| 100      | HAAS 4 Axis                 | 4<br>pcs | 9/6/19     |             | 1.00         | 8.64       | HAAS - 1                    |              |             |
|          |                             |          |            |             |              |            | HAAS - 2                    |              |             |
|          |                             |          |            |             |              |            | HAAS - 3                    |              |             |
|          |                             |          |            |             |              |            | HAAS - 4                    |              | UHG 19/9/13 |
| 110      | Conventional Mill - 1 - B4B | 4<br>pcs | 9/6/19     |             | 0.00         | 0.43       | Conventional Mill - 1 - B4B |              | UHG 19/9/13 |
|          |                             |          |            |             |              |            | Conventional Mill - 2 - B4B |              | 1           |
| 120      | QC 2                        | 4<br>pcs | 9/6/19     |             | 0.00         | 0.00       | QC 2 - 1                    |              |             |
|          |                             |          |            |             |              |            | QC 2 - 12                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 14                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 17                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 19                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 2                    |              |             |
|          |                             |          |            |             |              |            | QC 2 - 20                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 22                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 23                   |              | UHG 19/9/13 |
|          |                             |          |            |             |              |            | QC 2 - 25                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 32                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 33                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 35                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 39                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 4                    |              |             |
|          |                             |          |            |             |              |            | QC 2 - 40                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 44                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 45                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 48                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 49                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 50                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 51                   |              |             |
|          |                             |          |            |             |              |            | QC 2 - 52                   |              |             |



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Container No: S213156



Part: D2665-2

Job No: 199306

Serial No/Batch: S213156

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 09/12/19

|     |                               |          |        |           |                           |  |
|-----|-------------------------------|----------|--------|-----------|---------------------------|--|
| 130 | QC 8                          | 4<br>pcs | 9/6/19 | 0.00 0.00 | QC 2 - 57                 |  |
|     |                               |          |        |           | QC 2 - 62                 |  |
|     |                               |          |        |           | QC 2 - 63                 |  |
|     |                               |          |        |           | QC 2 - 8                  |  |
|     |                               |          |        |           | QC 2 - 66                 |  |
|     |                               |          |        |           | QC 2 - 64                 |  |
|     |                               |          |        |           | QC 2 - 65                 |  |
|     |                               |          |        |           | QC 2 - 5                  |  |
|     |                               |          |        |           | QC 2 - 71                 |  |
|     |                               |          |        |           | QC 2 - 73                 |  |
|     |                               |          |        |           | QC 2 - 69                 |  |
|     |                               |          |        |           | QC 8 - 12                 |  |
|     |                               |          |        |           | QC 8 - 14                 |  |
|     |                               |          |        |           | QC 8 - 17                 |  |
|     |                               |          |        |           | QC 8 - 20                 |  |
|     |                               |          |        |           | QC 8 - 25                 |  |
|     |                               |          |        |           | QC 8 - 3                  |  |
|     |                               |          |        |           | QC 8 - 32                 |  |
|     |                               |          |        |           | QC 8 - 33                 |  |
|     |                               |          |        |           | QC 8 - 35                 |  |
| 140 | Handfinish - 1-1 Chemical-B4B | 4<br>pcs | 9/6/19 | 0.00 0.31 | QC 8 - 39                 |  |
|     |                               |          |        |           | QC 8 - 4                  |  |
|     |                               |          |        |           | QC 8 - 44                 |  |
|     |                               |          |        |           | QC 8 - 45                 |  |
|     |                               |          |        |           | QC 8 - 49                 |  |
|     |                               |          |        |           | QC 8 - 58                 |  |
|     |                               |          |        |           | QC 8 - 8                  |  |
|     |                               |          |        |           | QC 8 - 9                  |  |
|     |                               |          |        |           | QC 8 - 68                 |  |
|     |                               |          |        |           | QC 8 - 67                 |  |
|     |                               |          |        |           | QC 8 - 1 (A)              |  |
|     |                               |          |        |           | QC 8 - 47                 |  |
|     |                               |          |        |           | QC 8 - 40                 |  |
|     |                               |          |        |           | QC 8 - 52                 |  |
|     |                               |          |        |           | QC 8 - 23                 |  |
|     |                               |          |        |           | QC 8 - 57                 |  |
|     |                               |          |        |           | Handfinish - 1 - 1 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 2 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 3 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 4 - B4B  |  |
| 150 | Powdercoat - 1 White GI(A)-   | 4        | 9/6/19 | 0.00 0.18 | Handfinish - 1 - 5 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 6 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 7 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 8 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 9 - B4B  |  |
|     |                               |          |        |           | Handfinish - 1 - 10 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 11 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 12 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 13 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 14 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 15 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 16 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 17 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 18 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 19 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 20 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 21 - B4B |  |
|     |                               |          |        |           | Handfinish - 1 - 22 - B4B |  |
|     |                               |          |        |           | Powdercoat - 1 - B4B      |  |

19/09/16

DAS  
14  
9-89

SEP 17 2019

B4B

M193459

pcs

Powdercoat - 2 - B4B

Powdercoat - 3 - B4B

Powdercoat - 4 - B4B

BK 19-9-18

START: 7:25 O.V. 7:30 FINISH: 7:55

160 QC 3

4

9/6/19

0.00 0.00

pcs

QC 3 - 10

QC 3 - 13

QC 3 - 15

QC 3 - 17

QC 3 - 18

QC 3 - 2

QC 3 - 28

QC 3 - 3

QC 3 - 30

QC 3 - 34

QC 3 - 36

QC 3 - 41

QC 3 - 51

QC 3 - 58

QC 3 - 59

QC 3 - 68

QC 3 - 9

QC 3 - 40

QC 3 - 19

QC 3 - 43

QC 3 - 24

QC 3 - 61

QC 3 - 81

SEP 23 2019

DAS  
40  
9-89

170 Packaging 3-1 - Stock - B4B

4

9/6/19

0.00 0.00

pcs

Packaging 3 - 1 - B4B

Packaging 3 - 2 - B4B

Packaging 3 - 3 - B4B

Packaging 3 - 4 - B4B

Packaging 3 - 5 - B4B

Packaging 3 - 6 - B4B

Packaging 3 - 7 - B4B

Packaging 3 - 8 - B4B

Packaging 3 - 9 - B4B

Packaging 3 - 10 - B4B

Packaging 3 - 11 - B4B

Packaging 3 - 12 - B4B

Packaging 3 - 13 - B4B

Packaging 3 - 14 - B4B

Packaging 3 - 15 - B4B

Packaging 3 - 16 - B4B

Packaging 3 - 17 - B4B

Packaging 3 - 18 - B4B

Packaging 3 - 19 - B4B

Packaging 3 - 20 - B4B

Packaging 3 - 21 - B4B

Packaging 3 - 22 - B4B

Packaging 3 - 23 - B4B

Packaging 3 - 24 - B4B

Packaging 3 - 25 - B4B

Packaging 3 - 26 - B4B

Packaging 3 - 27 - B4B

Packaging 3 - 28 - B4B

Packaging 3 - 29 - B4B

Packaging 3 - 30 - B4B

Packaging 3 - 31 - B4B

Packaging 3 - 32 - B4B

Packaging 3 - 33 - B4B

DAS  
28  
9-89

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  |                        |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|------------------|------------------------|---------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  | Packaging 3 - 34 - B4B |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  | Packaging 3 - 35 - B4B |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  | Packaging 3 - 36 - B4B |                           |
| 180 QC 21 - SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 4<br>pcs        | 9/6/19           | 0.00 0.00              | QC 21 - SA - 21           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  |                        | QC 21 - SA - 70           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  |                        | QC 21 - SA - 53           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                 |                  |                        | SEP 25 2019 <b>DAS 70</b> |
| <p>Part Op 100 - HAAS CNC Vertical Machine - 1- Program batch number 2- Machine Step # 1 of Folio and visually inspect as per<br/>         Descriptions: attached Dimension Sheet 3- Machine Step # 2 of Folio and visually inspect as per attached Dimension Sheet 4- Machine<br/>         Step # 3 of Folio and visually inspect as per attached<br/>         110 - Manufacture as per dwg Machine Keyway and inspect per attached dimension sheet<br/>         120 - QC2- Inspect parts off machine FAI/FAIB<br/>         130 - QC8- Inspect parts - second check<br/>         140 - Chemical Conversion Coat per QSI005 4.1<br/>         150 - White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum START TIME: _____ OVEN TEMPERATURE: _____<br/>         FINISH TIME: _____<br/>         160 - QC3- Inspect Part Finish<br/>         170 - Identify as per dwg &amp; Stock Location: _____<br/>         180 - QC21- Final Inspection - Work Order Release</p> |                                                                                   |                 |                  |                        |                           |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                   |                 |                  |                        |                           |
| <b>Part / Item</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Component Name</b>                                                             | <b>Quantity</b> | <b>Operation</b> | <b>Container</b>       |                           |
| D6101-003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Saddle Billet, 7075                                                               | 4 pcs (1 ea)    | 100-HAAS 4 Axis  | <b>5184675</b>         |                           |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                 |                  |                        |                           |
| <b>Operation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Component Part</b>                                                             | <b>Required</b> | <b>Inventory</b> | <b>Allocated</b>       |                           |
| 100-HAAS 4 Axis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D6101-003                                                                         | 4               | 63               | 0                      |                           |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                   |                 |                  |                        |                           |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                 |                  |                        |                           |

Plex 8/16/19 3:28 PM Dart.lajeunesse.marie

|                                                                    |  |  |  |                             |  |
|--------------------------------------------------------------------|--|--|--|-----------------------------|--|
| <b>DART AEROSPACE LTD</b>                                          |  |  |  | <b>Work Order:</b> 199306   |  |
| <b>Description:</b> 206 Saddle, Outboard, Right side               |  |  |  | <b>Part Number:</b> D2665-2 |  |
| <b>Inspection Dwg:</b> D2665 <b>Rev:</b> D <b>DSK:</b> <b>Rev:</b> |  |  |  | <b>Page 1 of 1</b>          |  |

### FIRST ARTICLE INSPECTION DIMENSION SHEET

| Dim           | Min   | Max   | Go/No Go Gauge | Record Actual Dimensions |        |       |        |   |
|---------------|-------|-------|----------------|--------------------------|--------|-------|--------|---|
|               |       |       |                | 1                        | 2      | 3     | 4      | 5 |
| A             | 0.100 | 0.140 |                | 0.121                    | 0.121  | 0.121 | 0.121  |   |
| B             | 0.100 | 0.140 |                | 0.120                    | 0.118  | 0.120 | 0.120  |   |
| C             | 1.125 | 1.145 |                | 1.135                    | 1.135  | 1.135 | 1.135  |   |
| D             | 0.615 | 0.685 | -              | 0.615                    | 0.665  | 0.665 | 0.665  |   |
| E             | 0.240 | 0.260 |                | 0.253                    | 0.2418 | 0.242 | 0.242  |   |
| F             | 1.313 | 1.343 |                | 1.323                    | 1.324  | 1.324 | 1.324  |   |
| G             | 0.210 | 0.230 |                | 0.227                    | 0.219  | 0.219 | 0.219  |   |
| H             | 0.100 | 0.180 | /              | 0.140                    | 0.140  | 0.140 | 0.140  |   |
| I             | 2.470 | 2.510 | /              | 2.497                    | 2.497  | 2.497 | 2.497  |   |
| J             | 1.565 | 1.585 | /              | 1.575                    | 1.575  | 1.575 | 1.575  |   |
| K             | 0.235 | 0.240 |                | 0.238                    | 0.238  | 0.238 | 0.238  |   |
| L             | 0.100 | 0.120 |                | 0.120                    | 0.118  | 0.118 | 0.118  |   |
| M             | 0.990 | 1.010 |                | 1.000                    | 1.006  | 1.005 | 1.006  |   |
| N             | 0.510 | 0.515 |                | 0.510                    | 0.510  | 0.510 | 0.510  |   |
| O             | 5.990 | 6.010 |                | 6.003                    | 6.002  | 6.002 | 6.003  |   |
| P             | 1.245 | 1.255 |                | 1.250                    | 1.250  | 1.250 | 1.250  |   |
| Q             | 2.495 | 2.505 |                | 2.500                    | 2.500  | 2.500 | 2.500  |   |
| R             | 0.312 | 0.318 | /              | 0.3125                   | 0.3125 | 0.312 | 0.312  |   |
| S             | 0.315 | 0.322 | /              | 0.316                    | 0.316  | 0.316 | 0.316  |   |
| T             | 2.495 | 2.505 | -              | 2.500                    | 2.500  | 2.500 | 2.500  |   |
| U             | 1.357 | 1.367 | /              | 1.367                    | 1.362  | 1.362 | 1.362  |   |
| V             | 0.787 | 0.807 |                | 0.796                    | 0.795  | 0.795 | 0.7945 |   |
| W             | 0.540 | 0.560 |                | 0.545                    | 0.550  | 0.550 | 0.549  |   |
| X             | 1.674 | 1.684 | /              | 1.679                    | 1.679  | 1.679 | 1.679  |   |
| Y             | 0.256 | 0.262 | -              | 0.258                    | 0.258  | 0.258 | 0.258  |   |
| Z             | 0.912 | 0.932 |                | 0.927                    | 0.924  | 0.925 | 0.9245 |   |
| AA            | 0.490 | 0.510 |                | 0.504                    | 0.502  | 0.502 | 0.502  |   |
| AB            | 0.178 | 0.198 | -              | 0.185                    | 0.188  | 0.188 | 0.188  |   |
| AC            |       |       |                |                          |        |       |        |   |
| AD            |       |       |                |                          |        |       |        |   |
| AE            |       |       |                |                          |        |       |        |   |
| Accept/Reject |       |       |                |                          |        |       |        |   |

|                                |                       |
|--------------------------------|-----------------------|
| <b>Measured by:</b> <i>VHS</i> | <b>Date:</b> 19/9/13  |
| <b>Audited by:</b> <i>SWK</i>  | <b>Date:</b> 19/09/16 |
| <b>Prototype Approval:</b>     | <b>Date:</b>          |

| Rev | Date     | Change                                            | Revised by | Approved |
|-----|----------|---------------------------------------------------|------------|----------|
| A   |          | New Issue                                         | RF         |          |
| B   | 99.04.19 | Incorporated DSI 9095, DSI 9102 & DSI 9122 Rev. A | RF         |          |
| C   | 99.11.10 | Added Dim. R-T                                    | RF         |          |
| D   | 02.12.12 | Reformat; Added Dim. U-W & DT8683, DT8686         | KJ/RF      |          |
| E   | 06.07.05 | Revised per drawing revision C                    | KJ/JLM     |          |
| F   | 07.03.21 | Revised per drawing revision D                    | KJ/JLM     |          |
| G   | 12.03.08 | Dimension R and Y revised                         | KJ         | <i>M</i> |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐



|                                                                                                                                                                                                                                                                                                                                                                                     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|--|------------------------------|---------------|------------------|------------------|---------|-----------------------|---------------|-------------------|----------|-----------|-----------------|---------|--------|----------------------|------|--------|------------------------------|---------------------------------|--------------------|-------------------|---------------|-------------|-----------------|---------|------------|--------------|----------------|--|
| <b>Job:</b> _____<br><b>Part No.</b> _____                                                                                                                                                                                                                                                                                                                                          |                                 | <b>DISPOSITION</b><br>Rework <input type="checkbox"/> <input type="checkbox"/><br>Scrap <input type="checkbox"/> <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | <b>DEPARTMENT/PROCESS</b><br>Skid-tube <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Machining <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Large Fab <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Cross tube <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Small Fab <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Finishing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Eng. (Non-AW) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Engineering <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Water Jet <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Supplier <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br>Quality <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |                             |  | <b>MRB (QSI042)</b><br>_____ |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| <b>Date :</b> _____                                                                                                                                                                                                                                                                                                                                                                 |                                 | <b>Sequence #:</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | <b>QTY Affected :</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <b>Disposition</b><br>_____ |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| <b>Description Work Order Deviation</b><br>_____                                                                                                                                                                                                                                                                                                                                    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <b>Completed By</b><br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| _____                                                                                                                                                                                                                                                                                                                                                                               |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <b>Lead hand / Supervisor</b><br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| _____                                                                                                                                                                                                                                                                                                                                                                               |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <b>QC / QA Coordinator</b><br>_____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| <b>Root Cause</b><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                 | <b>FAULT CATEGORY</b><br><table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table> |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  | Pressure/Forced              | Contamination | Power Loss/Surge | Positioned Wrong | Bending | Misaligned/off center | Folio/Program | Outside Tolerance | Crushing | BOM/Route | Grain Direction | Drawing | Cracks | Broken/Damage/Defect | Weld | Finish | Crimp/kink/Ripple/Wave/Twist | Incomplete/Unclear Instructions | Wrong Stock Pulled | Part Lost/Missing | Marks/Chatter | Drill Holes | Out of Sequence | Misread | Mislabeled | Fit/Function | Off-set/Set-up |  |
| Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                     | Contamination                   | Power Loss/Surge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Positioned Wrong  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Bending                                                                                                                                                                                                                                                                                                                                                                             | Misaligned/off center           | Folio/Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Outside Tolerance |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Crushing                                                                                                                                                                                                                                                                                                                                                                            | BOM/Route                       | Grain Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Drawing           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Cracks                                                                                                                                                                                                                                                                                                                                                                              | Broken/Damage/Defect            | Weld                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Finish            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Crimp/kink/Ripple/Wave/Twist                                                                                                                                                                                                                                                                                                                                                        | Incomplete/Unclear Instructions | Wrong Stock Pulled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Part Lost/Missing |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                       | Drill Holes                     | Out of Sequence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Misread           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Mislabeled                                                                                                                                                                                                                                                                                                                                                                          | Fit/Function                    | Off-set/Set-up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |  |                              |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |